CTDOT's MMUCC PR-1 Crash Data Improvement Initiative
An Interim Progress Report   TRCC Meeting May 18, 2015

A Measured and Phased Approach to Implementing the MMUCC PR-1

Phase II Goals for CY 2015

- *Assure that all stand alone police agencies have <u>full</u> data capture and <u>transmission</u> capabilities to FTP site pretty much there* ✅

- *Certify all remaining RMS vendors to be compliant with DOT specs* ✅

- *Assure 2015 reporting levels are comparable to previous years (9000 per month)   work in progress*

- *Track and correct error and warning rates by vendor and individual police agencies   focus is on reducing backlogs and passing FTP site*

- *Modify and release <u>updates</u> to fillable PDF, xml schema, and edit rules as needed* ✅

- *Work with vendors to enforce new edits before October 1; enforce at FTP site by end of year or sooner   just getting started*

- *Provide continuous training and feedback on MMUCC PR-1 issues to minimize error and warning rates   Nexgen customer pilot May 12-13*

Accomplishments Thus Far In Adopting a MMUCC Compliant Crash Report and Standing Up An Electronic Crash Reporting System

- **MMUCC PR-1 Deployment Update-The Numbers**
  - *79 active agencies have electronically submitted almost 24,000 cases to production folders as of May 15. (expected number this time of year –about 40,000 cases); many still in RMS systems, some at UCONN for processing, some cases still in test, others rejected initially and never resubmitted)*
  - *Low error rates (about 470 cases unresolved); high warning rates (almost 15,000 cases have warnings)*
  - *33 active agencies in test that have submitted about 2200 cases; about 400 cases with errors and 1100 cases with warnings. (we are now down to agencies with core problems (new laptops, connectivity issues, IT policies, new CAD/RMS installation)*
  - *Goal: To move all remaining agencies to their production folders before the end of June*

Accomplishments Thus Far In Adopting a MMUCC Compliant Crash Report and Standing Up An Electronic Crash Reporting System

- **MMUCC PR-1 Deployment Update-Experience on the Ground**
  - *RMS providers continue to make improvements to software to reduce data collection times and improve user interface experience (weekly vendor calls)*
  - *UCONN assisting with processing of older cases for selected agencies*
  - *Average processing times going down to 45 minutes to one hour*
  - *State Police report that average processing time has increased by one minute and 55 seconds compared to the old PR-1 (Trooper Gorman)*
  - *Officers prefer to finish report in cruisers; complete diagram back at station*
  - *Fillable PDF popular in terms of visual presentation and as validation tool*
  - *Level of supervisory review improving*
  - *Officers settling in with MMUCC terms and concepts*

Don't Get Stuck
POLICE
Be Prepared for MMUCC

Departments Still in Test

Canton
Derby
Greenwich
Hartford
Middletown
Milford
Newington
Putnam
Stamford
West Haven
Westport
Wilton
Winchester
Windsor
Woodbridge

STATUS Submitting
Production
Testing

Towns Submitting MMUCC Data
5/18/2015

CTSRC

0 5 10 20 30 40 Miles

Crash Data Quality and the DOT FTP Site

- **Daily tracking of submission rates, errors, and warnings for all agencies in test and production folders**

    - *Issues addressed during weekly vendor calls*
    - *Internal DOT housekeeping meetings weekly*
    - *Weekly Field Coordinator meetings to coordinate outreach and site visits*

- **DOT coders have begun to process 2015 crashes for CAS II data base**

- **UCONN CDR MMUCC PR-1 Data Base Ready To Import Data from DOT**

- **Crash Report Reader Given To All Vendors to run validations and edits as part of their export function**

Summary of Electronic Reporting Technical Support:

- *An estimated 25 agencies using fillable PDF as back up until vendor software is ready or as primary tool (if vendor not participating).*

- *All eight RMS vendors now have released software with validation capabilities; final installs for some Inform and Hunt agencies ongoing*

- *UCONN assisting larger agencies (Hartford) by processing PDFs and making corrections; New Britain, Bridgeport, Newington, New Haven, and Milford also receiving assistance*

- *Site visits to provide informal feedback and to listen to issues (Wallingford, Clinton, Manchester) Ongoing process- (1-800 Call Chuck)*

- *Basic MMUCC PR-1 training for Bridgeport May 1*

- *Successful meeting with Hartford on May 15*

Summary of Electronic Reporting Data Quality Improvement:

- *Major data quality initiative to begin in July to reduce warnings and to install DOT final edits; work has already begun with NEXGEN customers*

- *Begin work with vendors <u>to install and enforce</u> all 115 DOT edits (most are enforcing about 50 plus right now) Timeline: October 1, 2015*

- *DOT Edit Rules updated to address blank fields, non applicable codes, conditional requirements, and completion of driver, passenger, and non motorist pages   <u>Enforce at FTP site by end of CY 2015</u>*
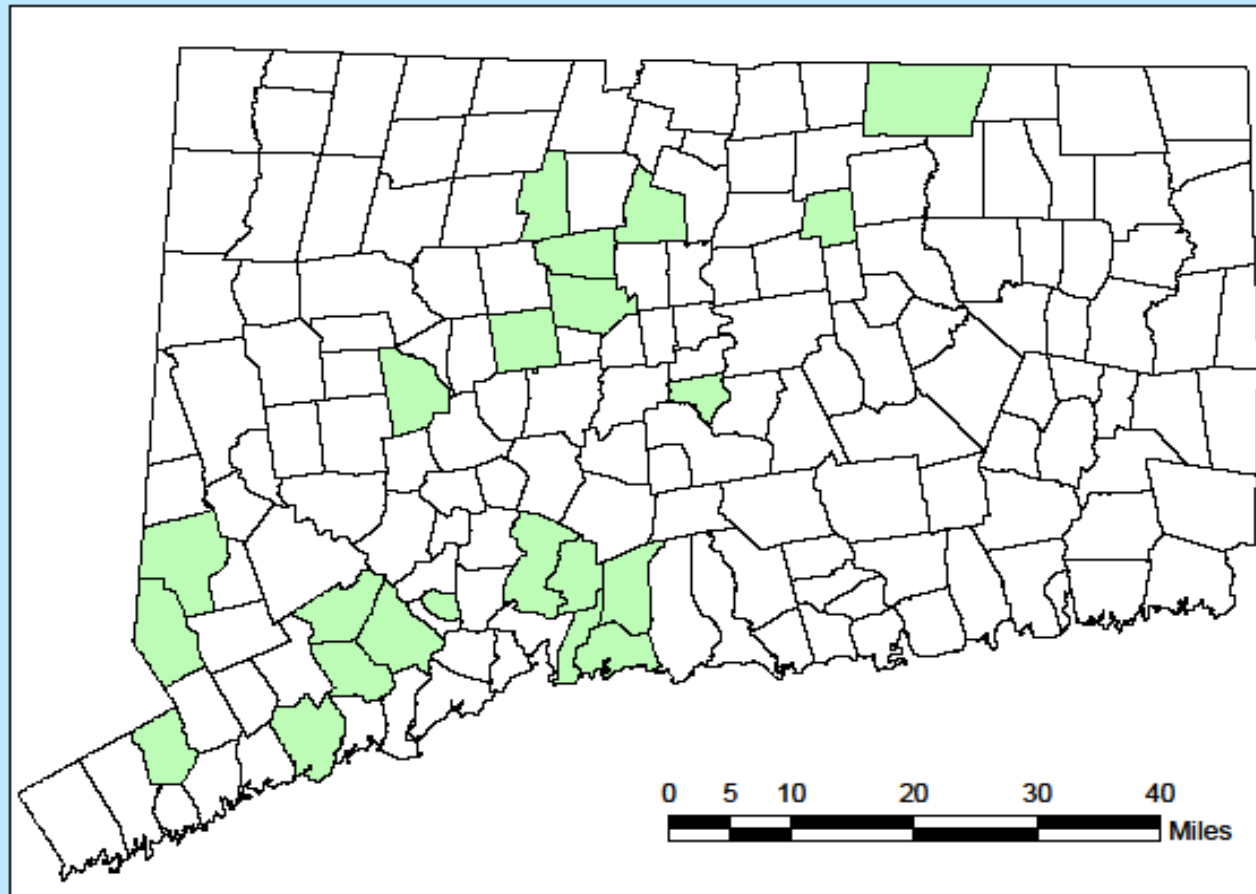
TRCC MMUCC PR-1 Briefing

Early MMUCC Report Card On Data Quality: Getting Better

- *__Fields left blank or entered as non applicable__ for all choices within a data element. At least one valid value must be entered for multiple choice fields*

- *Not capturing __sequence of events__ or __most harmful event__ within a sequence*

- *Issues with __unique person IDs__ for multiple vehicle and non motorist crashes*

- *Aversion to not capturing __contributing circumstances__ for roadway, environment and vehicle*

- *Not always completing driver, passenger, and non motorist fields if person type is generated*

- *Emphasis on differences between __none and non applicable__*

  - *None applies to factors within a data element (weather= clear; environment=glare)*

  - *Not applicable applies to factors outside of a data element (traffic way= non applicable if crash occurred off road)*

Departments Still in Test

Canton
Derby
Greenwich
Hartford
Middletown
Milford
Newington
Putnam
Stamford
West Haven
Westport
Wilton
Winchester
Windsor
Woodbridge

Training
☐ NOT UPDATED
☐ UPDATED

Towns Submitting MMUCC Data
5/18/2015

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MMUCC PR-1 Refresher Course Agenda

Module 1: Welcome and Course Overview (15 minutes)

- *Reporting Progress To Date*
- *Statutory Requirements and Agency Investigation Policy*
- *Open Discussion on Challenges Faced in the Cruisers and Back At the Station*
  - Possible Software Enhancements To Make Field Data Capture Easier
  - Issues Encountered When Submitting to the FTP Site

Module 2 Refresher Review of MMUCC PR-1 Core Elements and New Edit Rules (45 minutes)

- *What is MMUCC-Why Its Important*
- *MMUCC PR-1 Crash Course Video Part 1*
- *Review of Top Ten MMUCC Elements –One More Time*
- *UCONN MMUCC Error Videos (Animation)*
- *Top MMUCC PR-1 Edit Rules Requiring Review*

MMUCC PR-1 Refresher Course Agenda

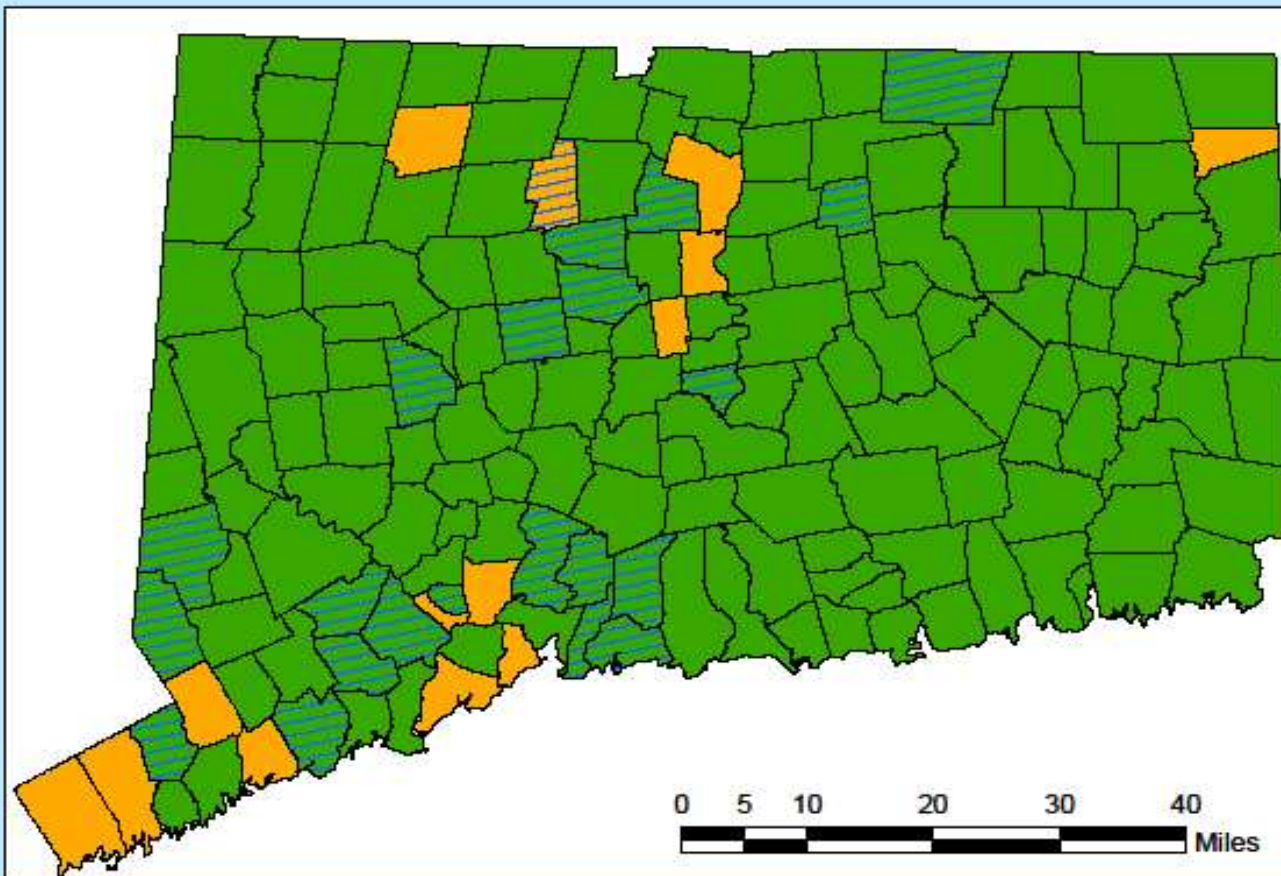- **Module 3: Work Group Exercise (30 minutes)**
  - *Work Group Exercise: Review crash cases with high error and warning rates and attempt to pass all edit rules and warnings using fillable PDF*
  - *MMUCC PR-1 review and approval procedures for your Department (Discussion*

- **Module 4 MMUCC Resources Moving Forward (30 minutes)**
  - *Training and self help videos on UCONN Web site*
  - *Weekly newsletters*
  - *Sample officer's "Pocket Guide" and "Edit Rules' Information Card*
  - *Sample motorist exchange form for PDO crashes*
  - *Demo of Crash Data Repository*

- **Course Wrap Up and List of Contacts for Technical Assistance**

- **Personalized Feedback Session for Your Department (Optional)**

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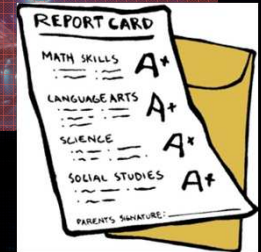**Towns Submitting MMUCC Data**
5/18/2015

CTSRC

TRCC MMUCC PR-1 Briefing   March 25, 2015

MMUCC PR-1 Response to Data Quality Issues (Part 1)

- *DOT Specs (January 9 through March 13) treated as warnings at FTP Site*

- *Work with individual RMS vendors to install as internal edits first –every vendor on board no later than October 1*

- *Phase in MMUCC refresher training with activation of edits by each vendor*

- *Provide feedback to each agency on error and warning rates; one on one meetings, roll call trainings, MMUCC memos*

- *Continue to track status of all eligible cases (unresolved errors, test, UCONN, RMS pipelines)*

- *Continue to assist with processing of fillable PDFs and certification of individual departments*

- *Work to resolve cases in test and production (continue weekly vendor calls)*

- *Begin processing of MMUCC PR-1 data into CAS II data base*

- *Activate upload tools for transmission to UCONN CDR*

TRCC MMUCC PR-1 Briefing　March 25, 2015

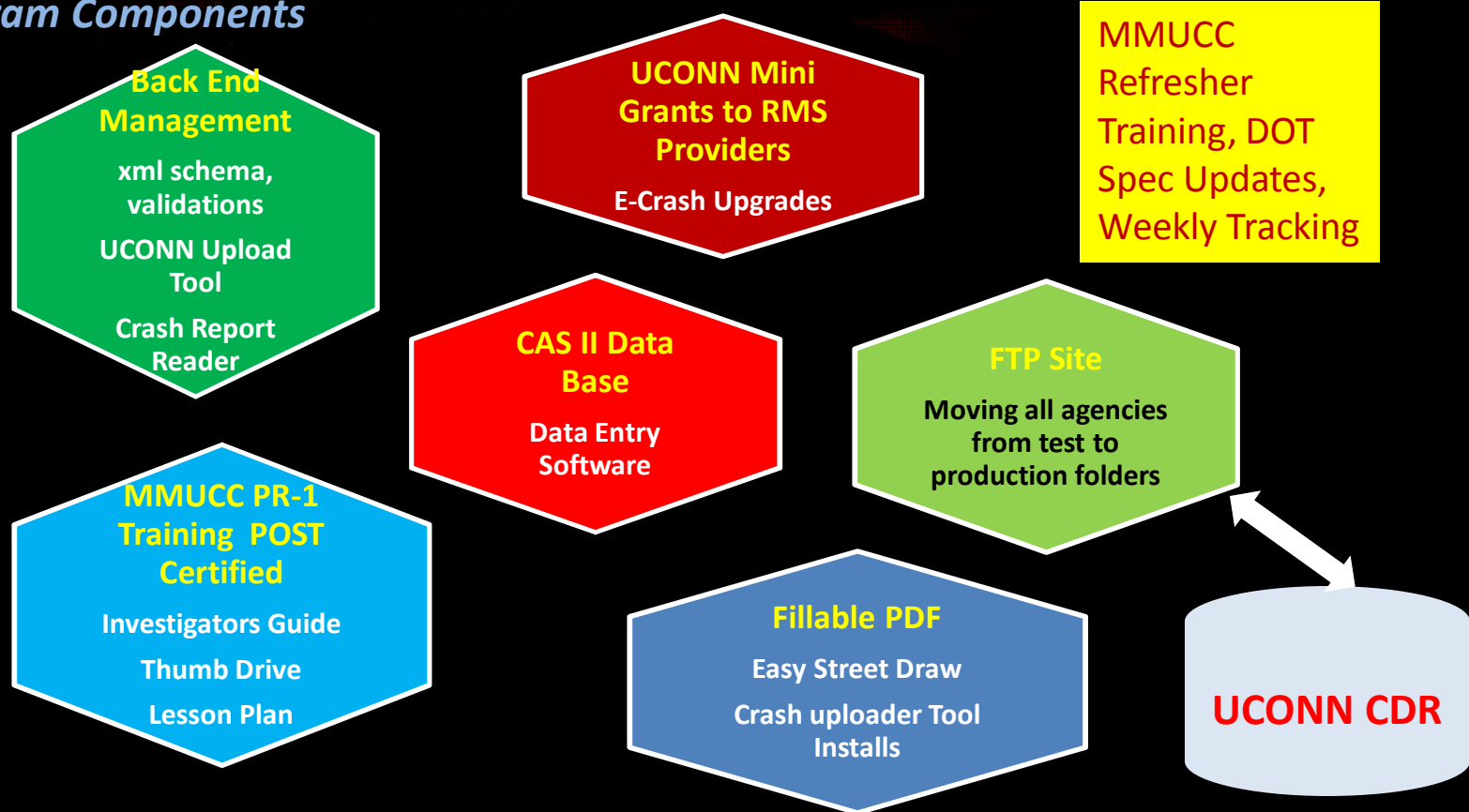### *MMUCC PR-1 Response to Data Quality Issues (Part 2)*

- *Weekly newsletter sent to all departments plus Chuck Grasso videos highlighting data quality issues: https://www.youtube.com/user/CTSRC*

- *Promote resources on UCONN TSRC Web site (self help videos)*

- *Distribute officers MMUCC Pocket Guide and Edit Rules Guide*

- *Field Coordinator site visits and town meetings; share course material, error and warning reports*

- *Offer MMUCC PR-1 refresher course (continue to update as needed)*
  - *Create you tube video of presentation for use in roll call trainings*

- *Convene user group across regions, vendors, and fillable PDF use*
  - Annual recognition to high data quality agencies
  - More training on use of CDR

- *DOT Import Report which tracks no of submissions, errors and warnings monitored daily for follow up and outreach;*

Moving Parts of the MMUCC PR-1 Initiative

- *Goals: Begin collection of MMUCC PR-1 crash data by all law enforcement agencies by January 1, 2015*

  Make significant progress towards full electronic reporting

Program Components

Back End Management

xml schema, validations

UCONN Upload Tool

Crash Report Reader

UCONN Mini Grants to RMS Providers

E-Crash Upgrades

MMUCC Refresher Training, DOT Spec Updates, Weekly Tracking

CAS II Data Base

Data Entry Software

FTP Site

Moving all agencies from test to production folders

MMUCC PR-1 Training POST Certified

Investigators Guide

Thumb Drive

Lesson Plan

Fillable PDF

Easy Street Draw

Crash uploader Tool Installs

UCONN CDR

TRCC MMUCC PR-1 Briefing January 20, 2015

Where Do We Go From Here?

- *Maintain open lines of communication with vendors and individual police departments*

- *Continue to monitor user interface experience, work flows, and reduce processing times for the MMUCC PR-1*

- *Stabilize monthly reporting levels so that no crash data is lost in 2015*

- *Provide continuous feedback and training on data quality*

- *Create new user interface experience with CDR including standardized crash profile reports for each agency*

- *Finally continue to focus on responsiveness to questions, vendor issues, and DOT training and self help tools*

Welcome To MMUCC PR-1 Training
Important MMUCC PR-1 Deployment Contacts

- **Vendor Technical Specifications**
  - Mike Gracer 860-594-3536
- **User Credentials FTP Site**
  - Rory Belanger 860-594-3535
- **User Credentials Easy Street Draw**
  - Rory Belanger 860-594-3535
- **Crash Submission Testing**
  - Rory Belanger 860-594-3535
  - Mike Gracer 860-594-3536
- **Law Enforcement Issues/Grants**
  - Ed Hedge 860-594-2386

- **Fillable PDF Installation and Training**
  - Eric Jackson 860-486-8426
- **MMUCC PR-1 Training/Data Quality Management**
  - Chuck Grasso 860-7531240
  - Mario Damiata 860-594-2024
- **Crash Data Repository**
  - Eric Jackson 860-486-8426
- **Field Coordinators**
  - Chuck Grasso 860-753-1240
  - TJ Moore 203-662-5335
  - Dave Pereira 203-729-5221
- **Crash Data Analysis**
  - Kerry Ross 860-594-2087
  - Gene Interlandi 860-594-2096